



November 28, 2000

Mr. Mark Harrer  
Southern Energy California  
1350 Treat Bl.  
Walnut Creek, CA 94596

Dear Mr. Harrer:

**POTRERO POWER PLANT UNIT 7 PROJECT DATA REQUESTS —SET 2**

Pursuant to Title 20, California Code of Regulations, section 1716, the California Energy Commission staff requests the information specified in the enclosed data requests. The information requested is necessary to: 1) more fully understand the project, 2) assess whether the facility will be constructed and operated in compliance with applicable regulations, 3) assess whether the project will result in significant environmental impacts, 4) assess whether the facilities will be constructed and operated in a safe, efficient and reliable manner, and 5) assess potential mitigation measures.

Enclosed are data requests in the area of waste management, socioeconomics, air quality and cultural resources. Written responses to the enclosed data requests are due to the Energy Commission staff on or before December 28, 2000. Staff has scheduled a combined Data Request/Data Response Workshop in San Francisco on December 14, 2000. The data response portion will pertain to the responses to staff's first set of data requests, issued November 7, 2000. The data request portion will address this set of staff's data requests.

If you are unable to provide the information requested, need additional time to provide the information, or object to providing it, you should send a written notice to both Commissioner Robert Pernel, and to me within 15 days of receipt of this notice. The notification must contain the reasons for not providing the information, the need for additional time and the grounds for any objections (see Title 20, California Code of Regulations, section 1716 (e)).

If you have any questions regarding the enclosed data requests, please call me at (916) 653-0159.

Sincerely,

Marc S. Pryor  
Energy Facility Siting Project Manager

Enclosure

cc: Potrero Power Plant Unit 7 Project Proof of Service List  
Docket (00-AFC-4)



**POTRERO POWER PLANT UNIT 7 PROJECT**  
**DATA REQUESTS**  
(00-AFC-4)

**TECHNICAL AREA:** Waste Management  
**AUTHOR:** Mike Ringer

**BACKGROUND**

The Station A complex includes a group of structures that will be demolished and removed prior to Unit 7 construction (Application for Certification [AFC], p. 2-25).

**DATA REQUESTS**

- 140. Please provide an estimate of the quantity of hazardous and nonhazardous wastes that will be generated by demolition of the structures.
- 141. Please provide information on which landfill(s) will be used for disposal of the demolition waste?

**BACKGROUND**

The proposed project will generate nonhazardous wastes from routine operation.

**DATA REQUEST**

- 142. Please provide an estimate of nonhazardous wastes that will be generated from routine operation of the Unit 7 project.

**BACKGROUND**

A Site Mitigation and Implementation Plan (SMIP) has been prepared and submitted as AFC Appendix D.

**DATA REQUEST**

- 143. Please describe the waste management alternatives under consideration regarding the 3000 cubic yards of sediment from excavation or dredging of the bay that will have to be managed during construction of the intake structure. Please describe the status of discussions with the U.S. Army Corps of Engineers and indicate if additional sediment sampling has been done as recommended on p. 26 of the SMIP, and any results obtained.
- 144. Since preparation of the SMIP, has there been any additional soil sampling done in order to more accurately characterize requirements for offsite disposal or to meet the requirements of the Maher ordinance? If so, please provide the results of such testing as well as any estimates regarding the quantity of soil that may be reused at the site.

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**TECHNICAL AREA:** Socioeconomics  
**AUTHOR:** Michael Fajans

**BACKGROUND**

The San Francisco Central Waterfront is an area undergoing a transition from an industrial to mixed industrial/residential/live work district. Much has occurred since the 1990 census. Planning is underway to consider dramatic increases in residential development in the Central Waterfront planning area. Section 8.8.1.2.3 alludes to this transition but does not document it.

**DATA REQUEST**

145. Please provide data on development of new housing units, and live/work units in the Central Waterfront Area. This should be as up to date as possible, per City of San Francisco permit records.
146. Please provide a status report on Department of City Planning activities to consider re-designation of portions of Central Waterfront.

**BACKGROUND**

Public services are provided to the project site by San Francisco departments. Page 8.8-10 of the AFC cites the February 2000 status (closed) of the closest fire station.

**DATA REQUEST**

147. Please provide information on whether the fire station is still closed and when it is anticipated to re-open.

**TECHNICAL AREA:** Air Quality  
**AUTHOR:** Tuan Ngo

**BACKGROUND**

Updating Information for SCONox as Best Available Control Technology.

The Application for Certification (AFC), Section 8.1.5.10-2 Best Available Control Technology (BACT), describes the feasibility of various control technologies being considered as BACT. One of this section's conclusions indicates that SCONox technology is not feasible as BACT for the proposed Potrero Power Plant Unit 7 Project due to high capital and operating costs, and lack of experience on frame F sized turbine. However, the Otay Mesa power plant's Final Staff Assessment (FSA) states that SCONox technology will be utilized for the frame F sized turbines. As such,

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SCONox technology may be feasible for frame F sized turbines. Energy Commission staff believes that the SCONox information provided in section 8.1.5.10-2 of the AFC might need to be revised with updated information.

**DATA REQUEST**

148. Please provide a cost effectiveness (\$ per pound) comparison of the competing technologies considered. These cost effectiveness comparisons should take into account the amount of each pollutant being controlled; for example, because SCONox controls NOx, VOC and CO, its cost effectiveness should be compared with the combined costs for both the SCR and CO oxidation catalyst systems.
149. Please provide written documentation, such as manufacturer guarantee, to demonstrate that SCONox technology is not technically feasible or reliable for frame F sized turbines.

**BACKGROUND**

Cumulative Impact Analysis

At the November 9, 2000, Information Hearing, the applicant stated that once the Potrero Power Plant Unit 7 Project starts producing electrical energy, the existing Hunters Point Power Plant will be shut down. In light of many recent black outs and energy alerts, the operating of the existing Hunters Point Power Plant may be economically feasible. If such operations exceed the existing normal operating level of the Hunters Point Power Plant, its increment emission increases will need to be included in the cumulative impacts analysis of the proposed Potrero Power Plant Unit 7 Project. On the other hand, if there are operational restrictions that preclude the contemporaneous operation of both the proposed Potrero Power Plant Unit 7 Project and the existing Hunters Point Power Plant, the emissions from Hunters Points Power Plant may not need to be included in the cumulative impacts analysis.

**DATA REQUEST**

150. Please provide any written documentation to demonstrate a restriction on the operation of the existing Hunters Point Power Plant that would prohibit its operation at the same time as the proposed Potrero Power Plant Unit 7 Project. If there is no such restriction, please consider the increment emission increases from the existing Hunter Point Power Plant in the cumulative impacts analysis.

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**TECHNICAL AREA:** Cultural Resources

**AUTHOR:** Gary Reinoehl and Roger Mason

**BACKGROUND**

The AFC states that a cultural resources record search was conducted at the Northwest Information Center of the California Historical Resources Information System. The purpose was to identify resources within a one-quarter mile radius of the proposed project. Staff needs the following information to complete the analysis.

**DATA REQUEST**

151. Please provide a description of the areas previously surveyed for cultural resources (sites, buildings, structures, objects, and districts) within the study area and the results of those surveys. Please include a 1:24,000 scale USGS topographic map that depicts the Potrero Power Plant site, the linear facilities, other components of the project (terrestrial and underwater), the one-quarter mile radius, the boundaries of the previously surveyed areas, and the location of the identified resources.
152. Please provide a copy of the Department of Parks and Recreation 523 record for the previously identified resources within the record search area.

**BACKGROUND**

As a part of the background research Native American Tribes, interested Native Americans, other individuals or groups (with a knowledge of or interest in historical resources), and local governments (e.g. City of San Francisco, Port of San Francisco, San Francisco Landmark Preservation Advisory Board, etc.) should be contacted to obtain information about cultural resources in the area. Staff needs the following information to complete the analysis.

**DATA REQUEST**

153. Please provide copies of letters sent to individuals, groups and local governments to obtain information about resources in the project vicinity. If the requests were by telephone, please provide a summary of the request. If this has not been completed, please make the contacts and provide the copies and summaries.
154. Please provide copies of any responses received from Native Americans Tribes, interested Native Americans, other individuals or groups, and local governments. If the responses were by telephone, please provide a summary of the responses. If this has not been completed, please provide information on the efforts that have been taken to date and the expected completion date.

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**BACKGROUND**

The AFC indicates that there will be components of the project built within San Francisco Bay. In addition, there will be dredging of materials from the bottom of the bay near the project area. Staff needs the following information to complete the analysis.

**DATA REQUEST**

155. Please provide the cultural resources inventory report that identifies underwater cultural resources for this component of your project. If a report is not yet complete, please describe all efforts (including remote sensing) that were used to identify cultural resources that could be impacted by this component of the project, list all anomalies that were identified, describe the efforts that were taken or will be taken to further identify the anomalies, and identify when the final assessment of the resources will be completed and provided to the Energy Commission. If there has been no inventory of the underwater portion of the project, please conduct the inventory, including an evaluation (CEQA Section 15064.5, (a), (3), (A)(B)(C) & (D)) of any identified cultural resources, and provide a copy of the report.
156. Please provide copies of correspondence with the State Lands Commission, the Bay Conservation and Development Commission, the Port of San Francisco, the Corps of Engineers, and any other knowledgeable agency or organization (e.g. San Francisco Maritime Museum) to request information regarding underwater cultural resources in the area of this component of the project. Please include copies of responses from the agencies. If these agencies and organizations have not been contacted regarding their knowledge of underwater cultural resource in the project area, then make the contacts and provide copies of the requests and responses.
157. Will the dredge spoils be deposited in a commercial disposal area or some other area? If the dredge spoils will be deposited in a non-commercial site, please provide a cultural resources inventory of the disposal area and an evaluation (CEQA Section 15064.5, (a), (3), (A)(B)(C) & (D)) of any identified cultural resources within the disposal area.

**BACKGROUND**

The applicant provided an archeological testing report for the Potrero project that was conducted for a PG&E power plant expansion at Potrero (Wirth and Associates, 1979). Staff needs the following information to complete the analysis.

**DATA REQUEST**

158. How deep are excavations expected to be in the area of the Gibbons and Lamot Powder Magazine?

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159. Will there be pilings or other foundation components that could impact the Gibbon s and Lammot Powder Magazine?
160. If the Gibbon s and Lammot Powder Magazine will be impacted by the project, please provide an evaluation of the resource (CEQA Section 15064.5, (a), (3), (A)(B)(C) & (D)). In the evaluation, please include a discussion of the possible information values that could be obtained from the site that would contribute to an understanding of human behavior (e.g. the application of disaster theory or other cultural stress theories in the historic setting).
161. Please provide a 1:24,000 scale USGS topographic map that depicts the proposed underground transmission interconnector and the two Islais Creek sites for boring, and the locations of historical features identified on historic maps (e.g. Allardt s 1869 map).